

IN THE CLAIMS

Please cancel claims 25-31 and amend claim 1. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended): A method for identifying a compound capable of treating urinary incontinence, comprising:

a) combining a compound to be tested with a sample comprising a polypeptide selected from the group consisting of:

i) a polypeptide comprising the amino acid sequence of SEQ ID NO:104; and

ii) a polypeptide encoded by the nucleotide sequence set forth in SEQ ID NO:103;

under conditions suitable for binding of the compound to the polypeptide; [[and]]

b) detecting binding of the compound to the polypeptide to thereby identify a compound which binds to the polypeptide; and

c) determining the effect of the compound on urinary incontinence in an animal model of urinary incontinence,

thereby identifying a compound capable of treating urinary incontinence.

2. (Previously Presented): The method of claim 1, wherein the compound is selected from the group consisting of a small molecule, a peptide and an antibody.

3. (Previously Presented): The method of claim 1, wherein the polypeptide further comprises heterologous sequences.

4. (Previously Presented): The method of claim 1, wherein the sample comprises the polypeptide, a membrane-bound form of the polypeptide or a cell comprising the polypeptide.

5. (Previously Presented): The method of claim 4, wherein the cell is selected from the group consisting of a bladder cell, a prostate cell, a kidney cell, a vascular cell, a urethral cell, a dorsal root ganglion cell, a trigeminal ganglion cell, a brain cell, and a spinal cord cell.

6. (Canceled)

7. (Previously Presented): The method of claim 1, wherein binding of the compound to the polypeptide is detected by a method selected from the group consisting of:

- a) a competition binding assay;
- b) an immunoassay; and
- c) a yeast two-hybrid assay.

8-22. (Canceled)

23. (Previously Presented): The method of claim 1, wherein binding of the compound to the polypeptide is detected by an assay for an activity of the polypeptide selected from the group consisting of:

- a) a carboxypeptidase assay; and
- b) an assay for measuring proteolysis of extracellular peptides or proteins.

24. (Canceled):

25-31. (Canceled):